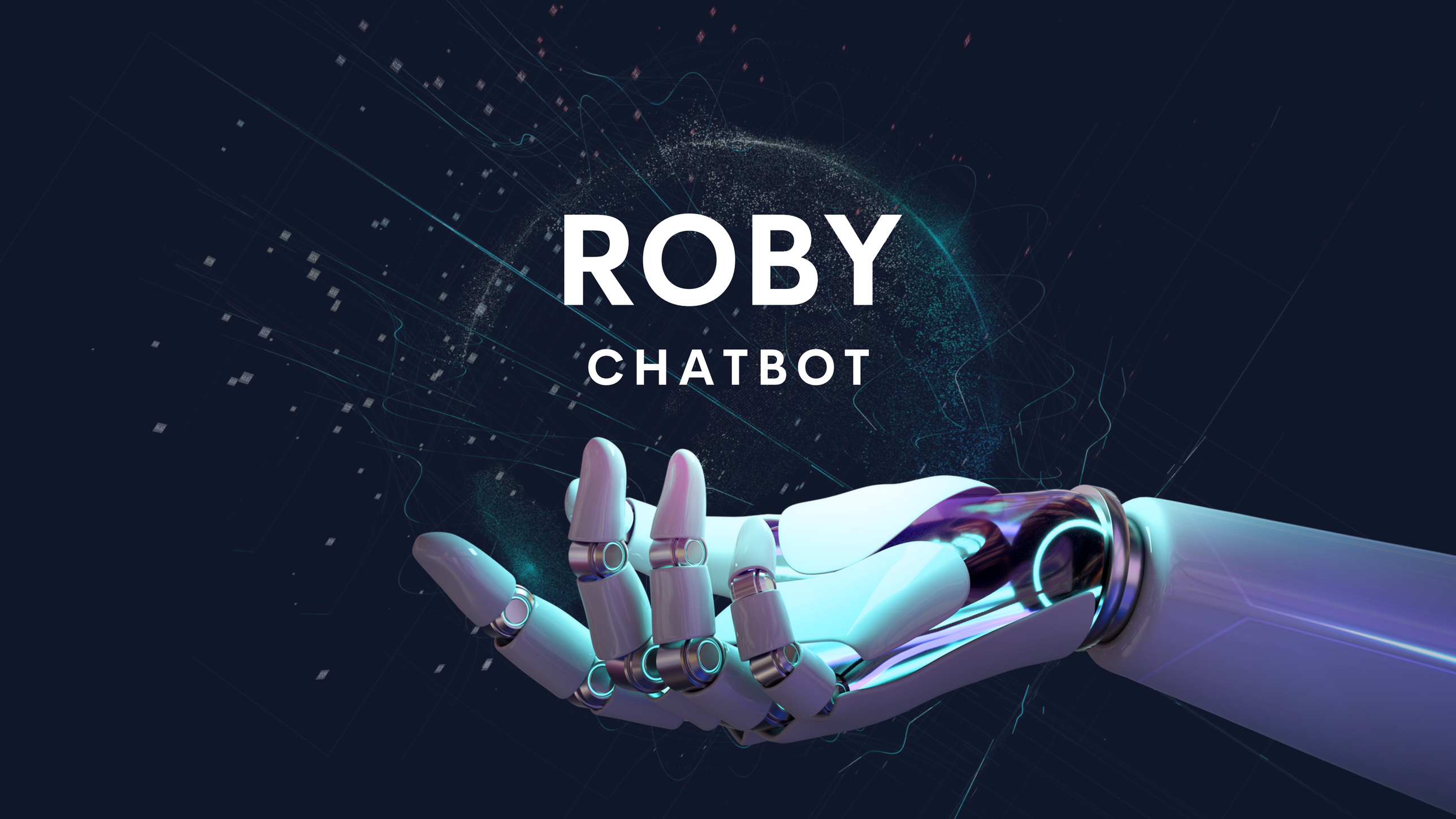
ROBY

CHATBOT



The speakers

Yousef Hamed

Rawan Soliman

Presentation for Machine Learning (AIE 121)

supervised by

Dr. Ahmed Emam

Eng. Ismail Ahmed

Yousef Hamed
1nd speaker

Introduction & JSON file & GUI

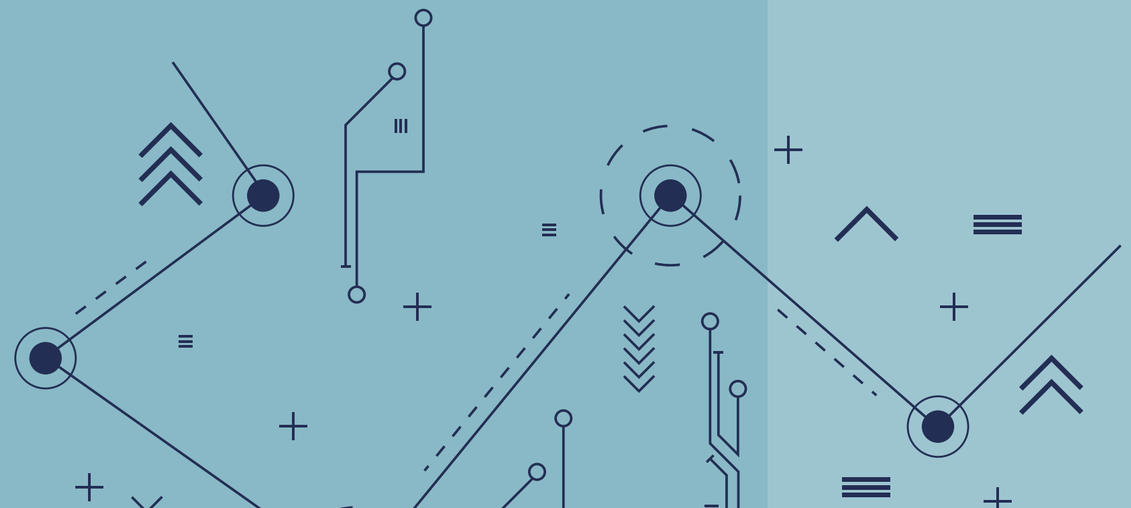
What is the Chatbot?

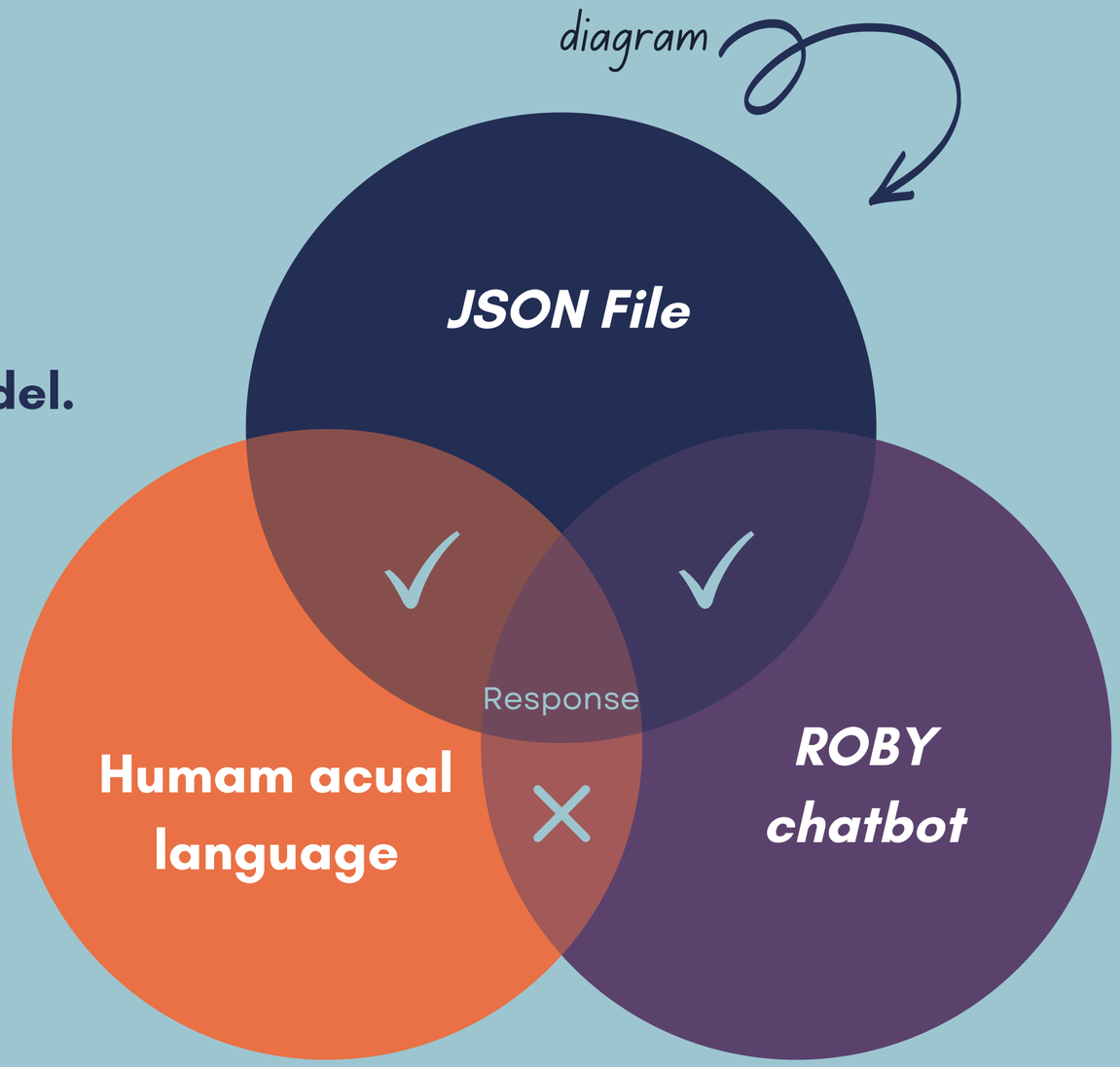
Itis AI operated sofware acts as a virtual assistant that can understand and respond to user queries, simulating natural human-like conversation.

- Customer Support
- E-commerce
- Information Retrieval

JSON File in ROBY Development

- What is JSON
- JSON Function
- Training and fine-tuning the chatbot's NLP model.
- It enables :
  - Collaborative development
  - Version control
  - Reuse of chatbot components.





Tkinter(GUI) in Python

- Easy Integration
- Rich Widget Library
- Cross-Platform Compatibility
- Simple and Intuitive Design

Rawan Soliman

2nd speaker

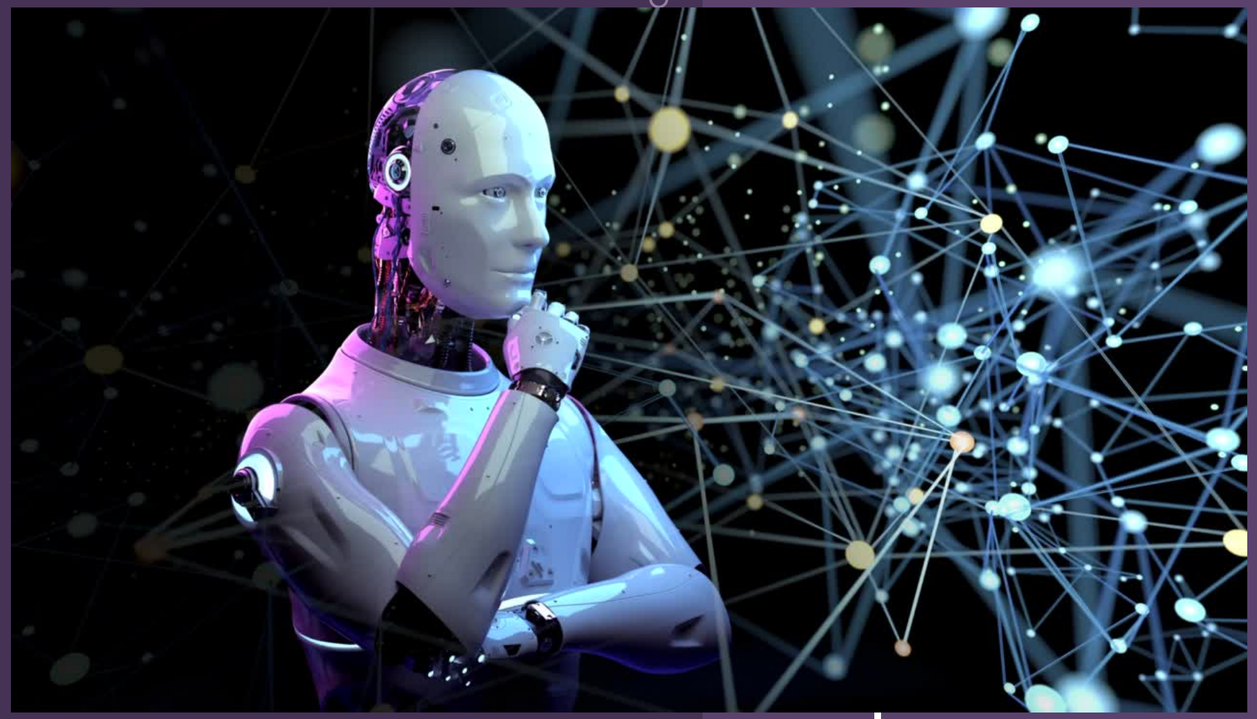
roby's capabilities

What ROBY can do?

It is a dialogue chatbot, which has capabilities of :

- It can tell a jokes or riddles!
- It can tell you the time, date and weather today.
- It can get you the top 10 trending news in Egypt.
- It can help you get the best songs or films or even games.
- It can suggest you a trip in Egypt.
- It can help you get the best (laptop/mobile/cpu/gpu).
- It have a little knowledge about football and some cars.
- It can help you choose something you eat and help you cooking
- It can have enough knowledge about computer science
- It may help you if you are depressed or bored or ill
- It have general knowledge about continents and countries
- It have a build in calculator

Stemming Model for ROBY:



- Improved Language Understanding
- Increased Vocabulary Coverage
- Enhanced Response Generation

Future of Chatbots

- **Enhanced Language Understanding**
- **Personalized and Context-Aware Interactions**
- **Integration with Emerging Technologies**

Any Questions
ASK ROBY !!